

FARKAS, F. 1991

(Pathophysiol. Inst. U. of Budapest)

"Method for Determination of the Length of Isometric and Isotonic Contraction of the Ventricle."

Z. KreislForsch. 1951 10/19-20(585-592) Abst: Exc. Med. 11, Vol. 5, No. 7, p. 811

UNGHVARY, L.; SCHULTHEISZ, E. FARKAS, F.

Procedure for the determination of hemoglobin. Orv. hetil. 93 no. 17:512-513 27 Apr 1952. (GIML 23:3)

1. Doctors except for Farkas. 2. Febervari-ut Metropolitan Consultation Clinic (Director -- Dr. Robert Kiralyhegyi).

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000412420020-6"

FARKAS, G. - Vol. 5, no. 4, Apr. 1955. - Kozlskodostudomanyi Szemig.

Survey of the development of Soviet rolling stock and some domestic aspects of this question. p. 145.

SO: Monthly list of East European Accessions, (EEAL), LC, Vol. 4, No. 9, Sept. 1955

Uncl.

FARKAS, G.

Possibilities for increasing the capacity of streetcar lines. p. 460.

Vol 5, no. 12, Dec. 1955. KOZLEKEDESTUDOMANYI SZEMLE. Budapest, Hungary.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000412420020-6"

So: Eastern European Accession. Vol 5, nol 4, April 1956

PARTAS, 4.

PUSSIBILITIES OF APPLYING INFRARED HEAT TRANSMISSION IN THE FIELD OF TRANSPORTATION AND IN HIS REPAIR INDUSTY.

P 83 (KOZLEKEDESTUDOJANYI SZEJELE) BULAPEST, HUNNARY VOL 7 NO 1/3 JAN/MAR 1957

SO: MONTHLY INDEX OF EAST EUROPEAN ACESSIONS (ALEI) VOL. 6 NO 11 NOVEMER 1957

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000412420020-6"

FARKAS, G.

Changes in the requirements of city transportation. p. 365. (Kozlekedesi Kozlony, Vol. 13, no. 20, May 1957. Budapest, Hungary)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 9, Sept. 1957. Uncl.

FARKAS, G.

TECHNOLOGY

KOZLEKEDESTUDOMANYI SZEMLE. (Kozlekedes- es Kozlekedesepitestudomanyi Egyesulet) Budapest.

FARKAS, G. Remarks on the article by Rudolf Nagy "Cause of the Deterioration of Electric-Railroad Lines Equipped with Phoenix Rails." p. 357.

Vol. 8, no. 7/8, July/Aug. 1958.

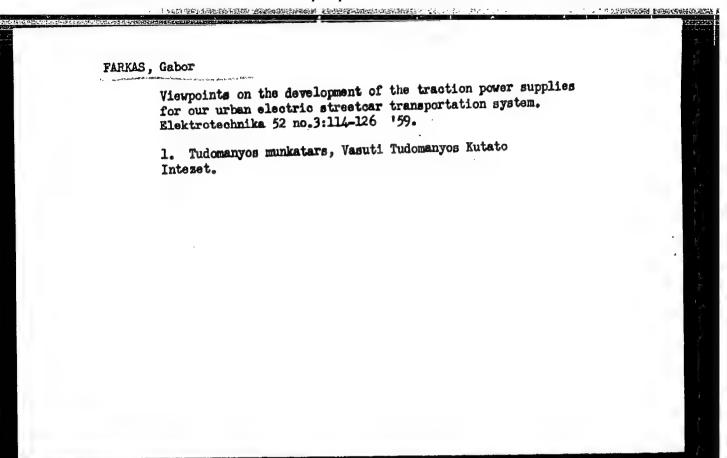
Monthly List of East European Accession (EEAI) LC Vol. 8, No. 3
March 1959, Unclass.

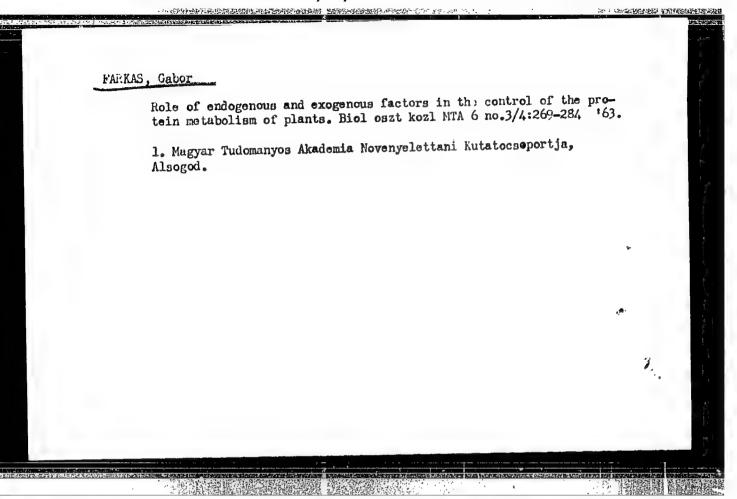
FARKAS, G,

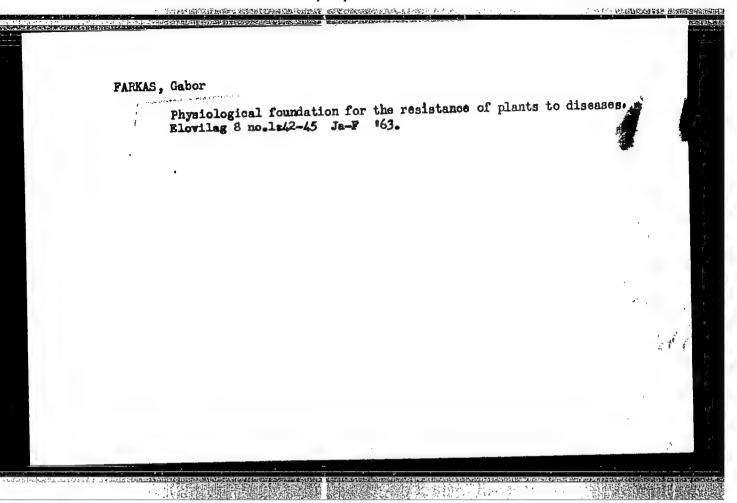
"Viewpoints on the development of the traction-power supply of our electric streetcar transportation system." p. 114.

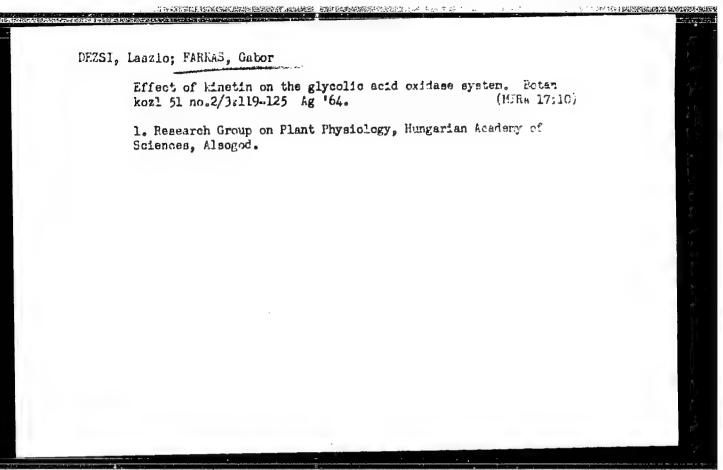
ELEKTROTECHNIKA. (Magyar Elektrotechnikai Egyesulet). Budapest, Hungary, Vol. 52, No. 3, 1959.

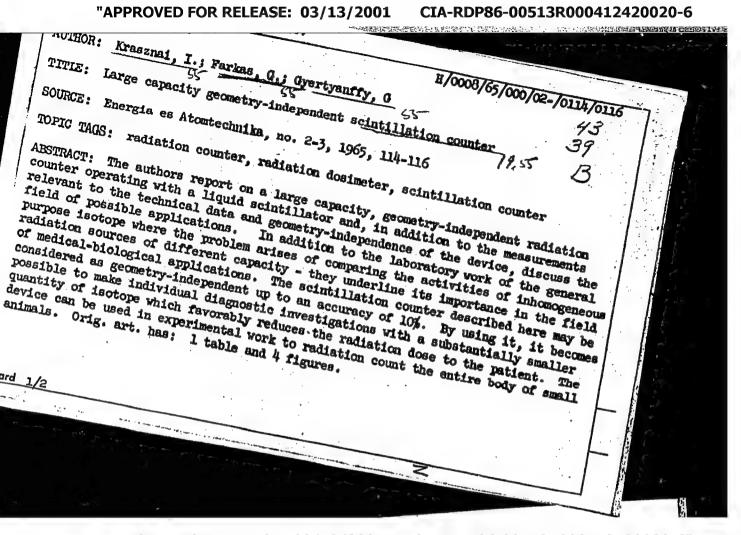
Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8, August 1959.
Uncla.











ACC NR: AP5008461 ASSOCIATION: I sz. Belki Clinic Number I - Interna SUBMITTED: 00	ENOL: 00	SUB CODE:	18	
NO REF BOV: 000	OTHER: 004			X.
				_
				-

me G. (Rurines)	A. Rosman, M. (Engir	(eer) 45	
TERM OF LANDS	7)	\mathcal{B}	
-Assumi de cal	ml)	-33 m	
Meltiform de con			
of the DACTEC-L	TOUTH A		
a, v. 9, no. 5.	1965, 201-202		
	acumiter .		1
aipment, aigitai	, gargare ,		j
the central par	t of the digital old	type, with fixed	
nte. The compu	or is of the series	er second. Orig	
can perform up	n. J [JPAS]		1
		•	
none			
•		•	
	7.5		7
•			
			; == ;
	. 573		1
	omet A	691 -14-423-8	
	UDCI	Water	
HOUR			
	of the DACICC-1 a, v. 9, no. 5, mipment, digital the central parameter. The comput can perform up to	of the DACICC-1 mechine a, v. 9, no. 5, 1965, 201-202 mipment, digital computer the contral part of the digital elecate. The computer is of the serial can perform up to 2,000 operations puthors Eng. abst. [FRS]	wipment, digital computer the central part of the digital electronic computer atte. The computer is of the serial type, with fixed can perform up to 2,000 operations per second. Originathors and Eng. abst. [JFR]

SOURCE: Automatics si electropic TAGS: ferrite core me ABSTRACT: The author trace commuter. The unit is of the commuter.	of the DACICC-1 machine by	the dan gineer
7 figures. Liesed on autom	L. a wife and Tours	
	none' / OTH REF: 001 / SOV REF: 001	
		•
	•	
Cord 1/1 NV	UDC1 681:14-501.2221621.318	2
The same of the sa	CONTRACTOR OF THE PROPERTY OF	

Plant Physiology

HUNGARY

FARKAS, Gabor, academician; [affiliation not given]

"Enzymological Aspects of Plant Diseases and the Resistance of Plants Against Disease"

Budapest, A Magyar Tudomanyos Akademia Biologiai Tudomanyok Osztalyanak Kozlemenyei, Vol VIII, No 2, 1965, pages 223-238

Abstract: The article was the acceptance lecture of the author at his election to the Academy. It is a summary report on the biological research activities in plant physiology, during the past 15 years. It is stated that, when attacked by a pathogen, the plant will develop characteristic active, when attacked by a pathogen, the plant will develop characteristic active, when attacked by a pathogen, the plant will develop characteristic active, when attacked by a pathogen, the plant will develop characteristic active, when attacked by a pathogen, the plant will develop characteristic active, when a segment of an antimicrobial (antiviral) procession or it may be the synthesis, repression or liberation into active form tein or it may be the synthesis, repression or liberation into active form to other mechanisms of a protein with enzymatic properties which may play by other mechanisms of a protein with enzymatic pathways and may be of a an important role in the regulation of metabolic pathways and may be of a material manifold character at the same time. Such factors include the synthesis of phenolic compounds and other antimicorbial aromatics. The synthesis of phenolic compounds and other antimicorbial aromatics. The matabolic physiological factors in the harmonious host-parasite relationship cannot be left out either, as e.g. the metabolism of vitamins. The cooperation

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000412420020-6

HUNGARY

Budapest, A Maryar Tudomanyos Akademia Biologiai Tudomanyok Osztalyanak Kozlemenyel, Vol VIII, No 2, 1965, pages 223-238.

between the metabolic systems of host and parasite (susceptibility) or dissonance between them (resistance) will undoubtedly be best approached by research involving nucleic acid and protein (enzyme) metabolism. 4 Eastern European, 48 Western references.

SOLYMOSY, Ferenc; FARKAS, Gabor

Biochemical mechanism of localized, acquired resistance to virus infection in tobacco tissues. Botan kozl 50 no.1: 13-20 My '63.

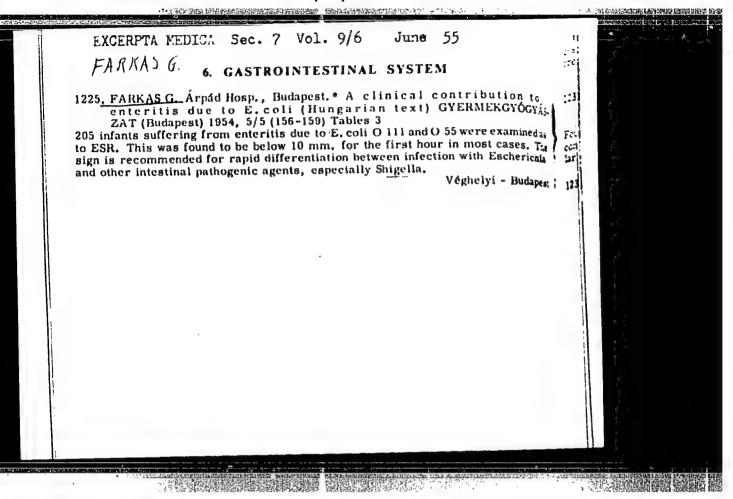
1. Novenyvedelmi Kutato Intezet, Budapest, II., Herman Otto ut 15. (for Solymosy). 2. Magyar Tudomanyos Akademia Novenyelettani Kutato Csoportja, Alsogod; "Botanikai Kozlemenyek" szerkeszto bizottsagi tagja (for Farkas).

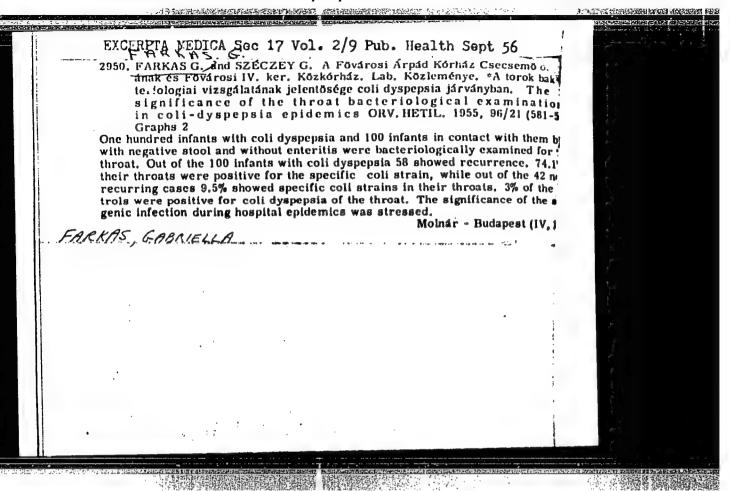
FULOP, Tibor, dr.; KAISER, Eva, dr.; FARKAS, Gabor, dr.

Treatment of hypsarrhythmia associated with flaxor spasm with ACTH and prednisolone. Orv. hetil. 105 no.112497-500 15 Mr. 64.

1. Pesci Orvostudomanyi Egyetem, Cyermekklinika (igazgato: Kerpel-Fronius Odon, dr.)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000412420020-6"





KALLO, A., dr.; FARKAS, Gy., dr.; MIKLOS, Gy., dr.; HODI, L., dr.; SZIJARTO, L., dr.

Relapsing modular panniculitis with co-existing aortic arch syndrome. Orv.hetil. 102 no.33:1550-1554 13 Ag 161.

1. Budapesti Janos Korhaz, Korbonctani es Korszovettani Osstaly es IV. Belosztaly.

(PANNICULITIS compl) (AORTA abnorm)

Experimental tests for determining the correlation of coherent light beams. Koz fiz kozl MTA 11 no.2:89-97 '63.

1. "A Magyar Tudomanyos Akademia Kozponti Fizikai Kutato Intezetenek Kozlemenyei" felelos koadoja (for Janossy).
2."M Magyar Tudomanyos Akademia Kozponti Fizikai Kutato Intezetenek Kozlemenyei" szerkeszto bizottsugi tagja (for Naray).

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000412420020-6"

FARKAS, Gy.

Methods of saving coal by means of gas generators; also, remarks by K. Jermendy. p. 149.
EPITOANYAG, Budapest, Vol. 7, no. 4, Apr. 1955.

SO: Monthly List of East European Accessions, (SEAL), LC, Vol. 4, ac. 10, Oct. 1955, Uncl.

A STATE OF THE PROPERTY OF THE

Control and instruments of brown coal generators. (To be contd)
P. 157 MAGYAR ENERGIAGAZDASAG Budapest, Vol. 9, no. h, Apr.
1956

SOURCE: East European Accessions List (EEAL) Library of Congress
Vol. 5, no. 8, August 1956

FARKAS, G.

Some words on drawing off heating oil.

p. 55 (Energia es Atomtechnika) Vol. 10, no. 1, Apr. 1957, Budapest, Hungary

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

TAPKAS, GY.; "TOA, T.

"On the determination of the emission capacity of radiating holes." p. 37.

MAGYAF FIZIKAI FOLYOIFAT. (Magyar Tudomanyos Akademia). Budapest, Hungary, Vol. 7, No. 1, 1959.

Monthly list of East European Accessions (EFAI), LC, Vol. 8, No. 8, August 1959. Uncla.

FARKAS, Gyorgy, dr.; KOSZEGVARY, Sandor, dr.

Multiple subcutaneous abscess caused by potassium iodide (abscessing panniculitis due to potassium iodide). Orv. hetil. 102 no.40:1896-1898 1 0 '61.

1. Janos Korhaz-Rendelointeset, IV Belosztaly, Budapest.

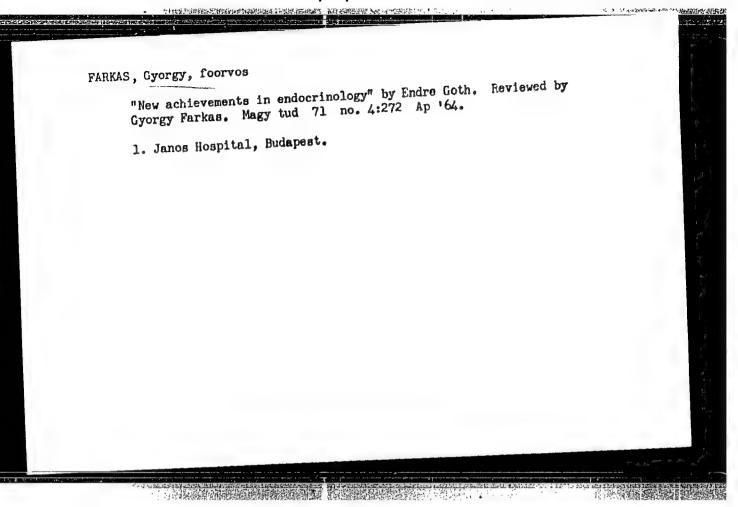
(IODIDES toxicol) (PANNICULITIS etiol) (ABSCESS etiol)

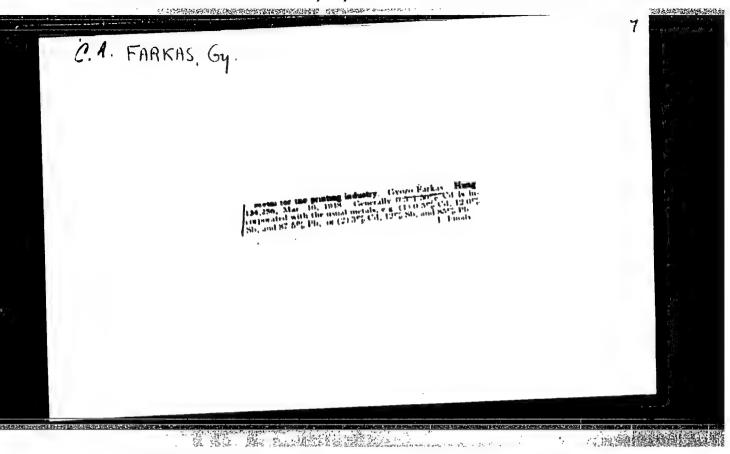
CIA-RDP86-00513R000412420020-6" APPROVED FOR RELEASE: 03/13/2001

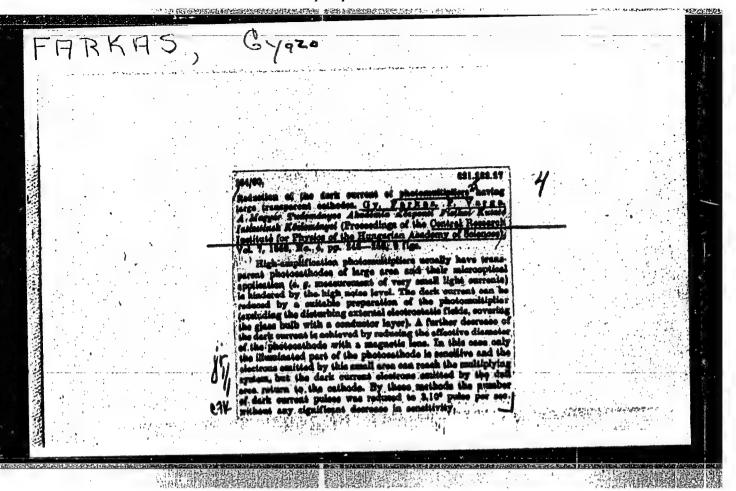
PARKAS, Gyorgy, dr.; HODY, Lasslo, dr.

Differential diagnosis of pulse abnormalities in the upper part of the body. Orv. hetil. 103 no.11:1443-1448 5 Ag '62.

1. Budaposti Tanacs Janos-Korhaz-Rendelointezet, IV. Belosztaly. (CARDIOVASCULAR DISEASES diag.) (AORTA dis) (PULSE)

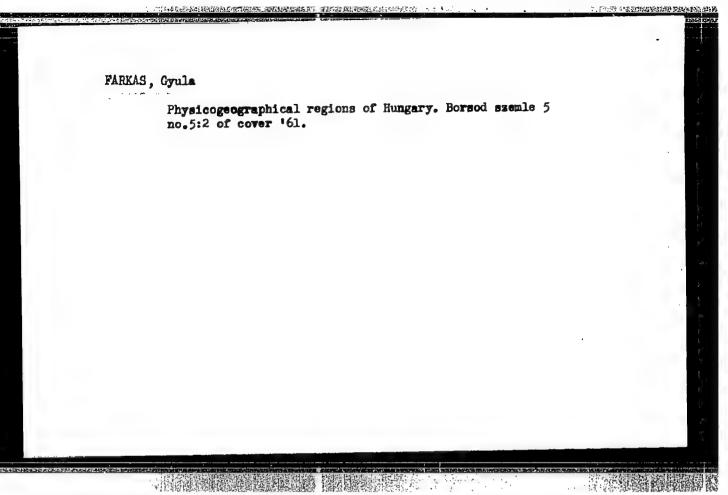






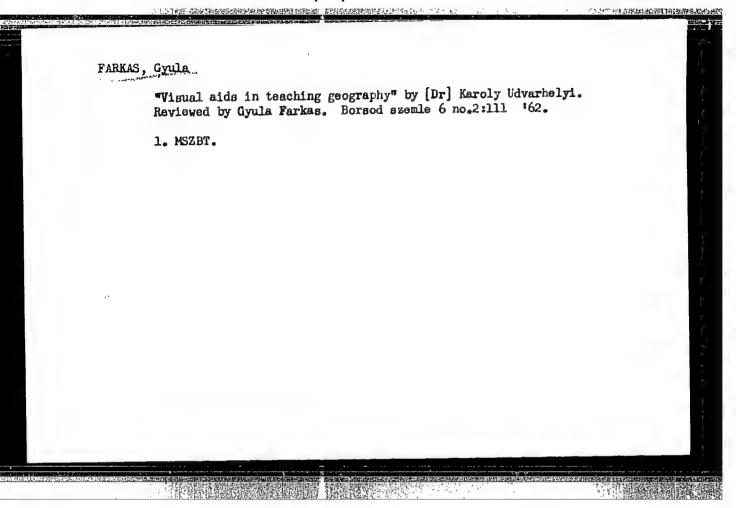
```
"Rapid Gear-cutting Nothed", P. 512, (Gi., Vol. 7, No. 11, Neverlar 1954, Endagest, Rungary)

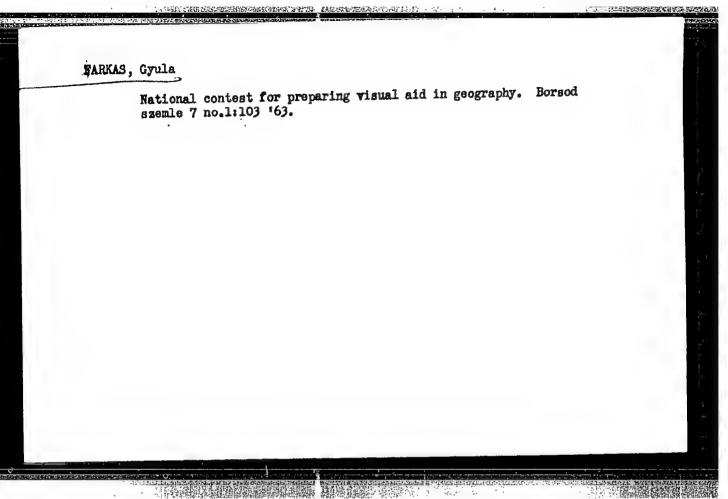
3C: Northly list of East European Accessions (NVM.), 10, Vol. 4, No. 3, Narch 1.55, Uncl.
```

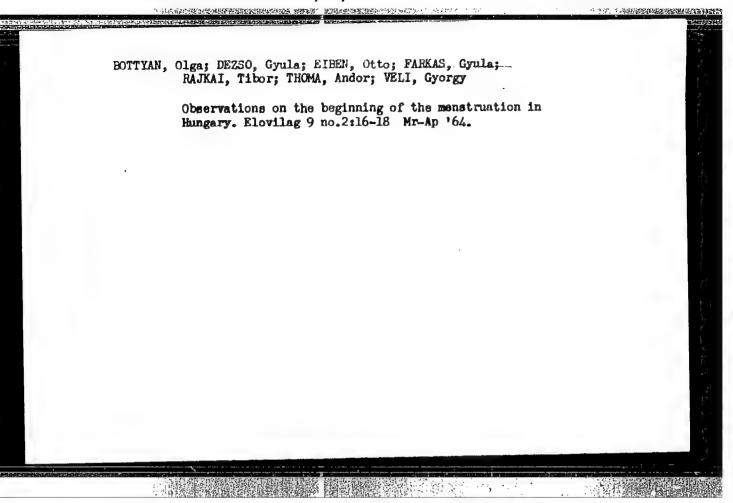


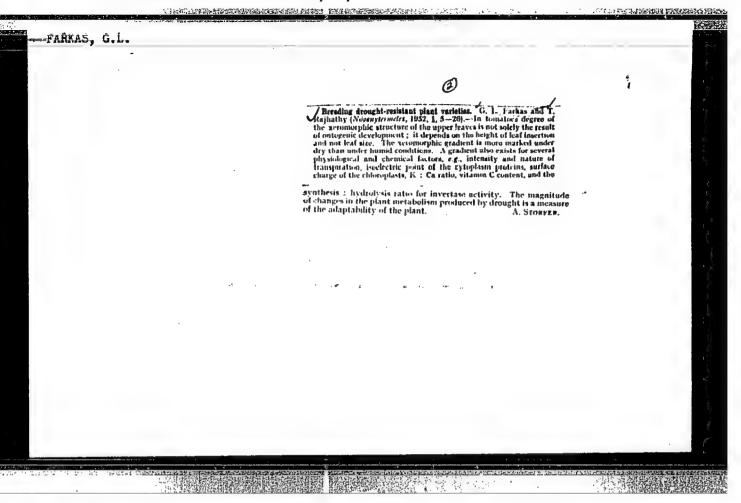
Aggtelek and its vicinity; the Northern Borsod karst region by [Dr] Laszlo Jakues. Reviewed by Gyula Farkas. Borsod szemle 6 no.2:109 '62. 1. MSZBT.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000412420020-6"



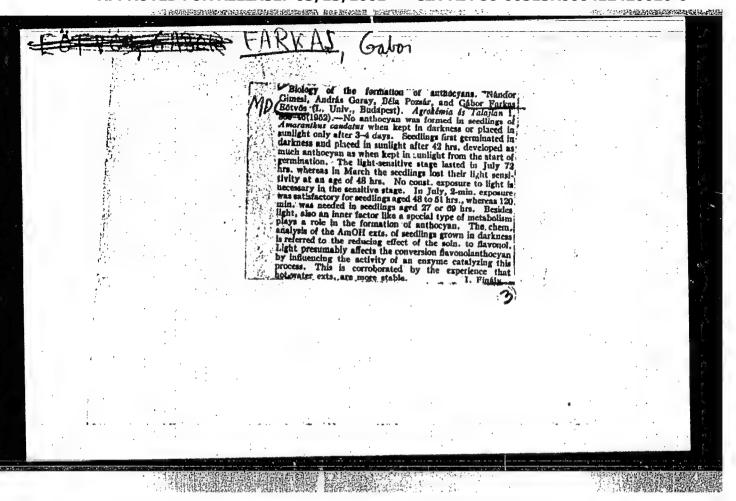






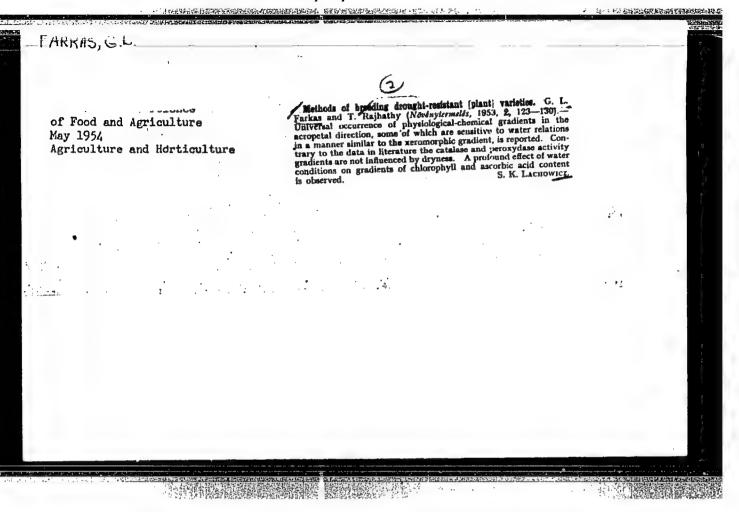
"APPROVED FOR RELEASE: 03/13/2001

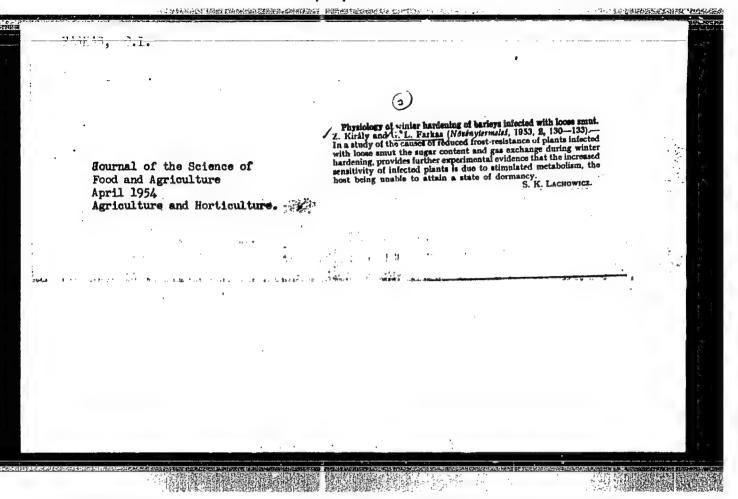
CIA-RDP86-00513R000412420020-6

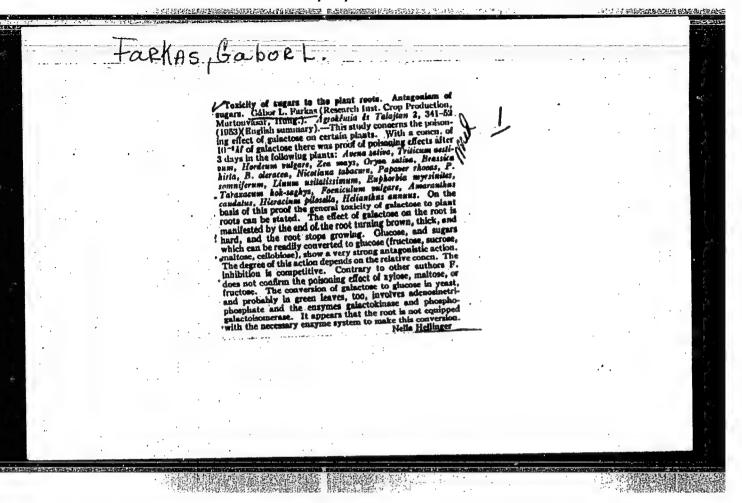


"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000412420020-6







FAREAS, G.

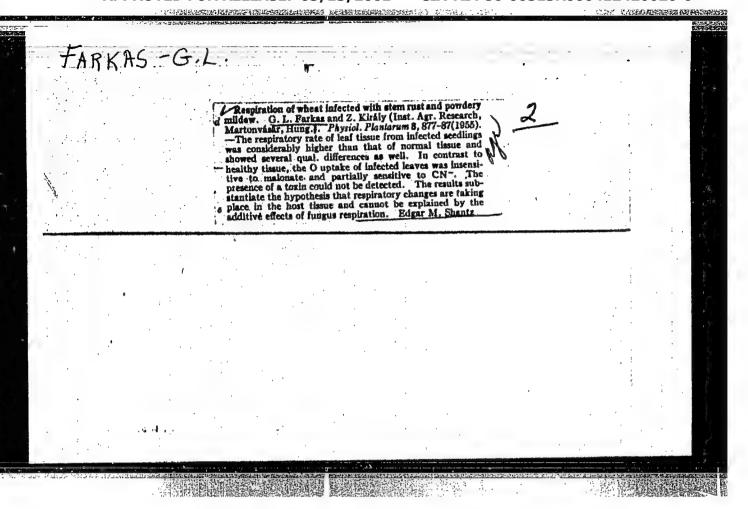
Physiological analysis of damages by black rust on the basis of the examinations of respiratory systems. P. 157.

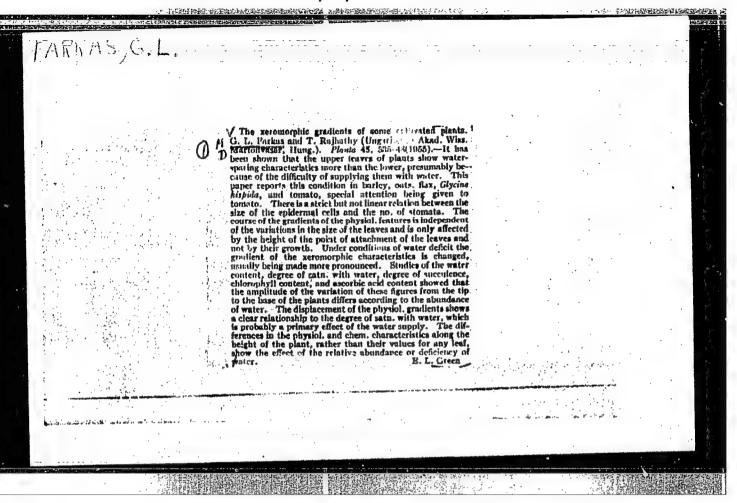
KOZLEMENYEI, Budapest. Vol. 8, no. 1/2, 1955.

SOURCE: ETAL Vol. 5, No. 7, July 1956.

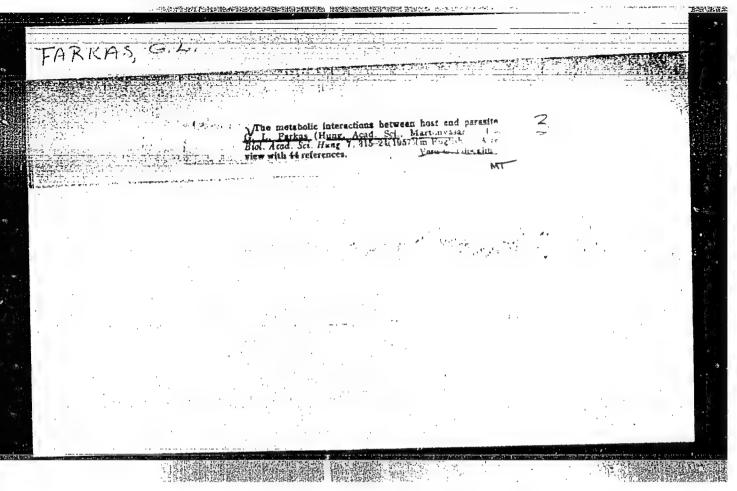
"APPROVED FOR RELEASE: 03/13/2001

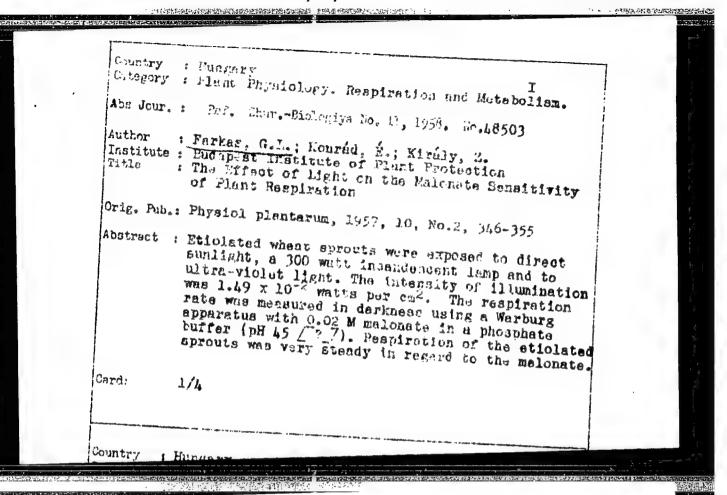
CIA-RDP86-00513R000412420020-6





Enzymotogy of an ailing plant in connection with its president to unicrobes. G. L. Furkash and Z. Lord Izsest. Akad. Nauk S.S.S. R., Ser. Bist. 1956. No. 5, 47 No. —Principally a review with numerous references through	100
1 core to many the many the many many many transfer and the second secon	
invasion have a much more active ascentic and active than do normal plants. (c) M. Kosele, a	
Sci Rea Inst. agriculture "khozyaystva"	The state of the s
Acad. Sci, Vengree, martonvashar	Com my s
	Life See House
	2023 1 Table





Country: Hungary
Catagory: Plant Physiology. Respiration and Metabolism.

Lbs. Jour.: Rof. Zour.-Siologiya No. 11, 1978. No. 48503

Souther:
Institute:
Title:

Orig. Pub.:

Abstract: Increased dosages of illumination caused a 50-60% rise in the sensitivity of respiration to malonate, rise in the sensitivity of respiration to malonate. There was no direct connection between this heightened effect and the fact that the tissue heightened effect and the fact that the tissue turned green while chlorophyll was formed, since similar increases have also been observed in experiments with older sprouts which were scarcely able to produce chlorophyll, as well as in root

Card: 2/4

Country : Hungary Category : Plant Physiology, Respiration and Matabolism. Abs Jour, : Sef. Seur. Buckeylye No. 11, 1998. No. 48503 Author Institute : Titla Orig. Pub. : Abstract : experiments. The influence of illumination on respiration was not eiminished when the irradiated aprouts were kept for two or three hours in darkness. Experiments in keeping old plants in darkness which were slap very sensitive to malonate confirmed the theory that, once stimulated, this sensitivity is not easily lost. Some findings indicate that the effective part of the spactrum is the ultra-riplet and. Distribution 3/4 Gard:

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000412420020-6"

不可可以 自然知识的知识的证明的

Country : Hungary Category : Plant Physiology, Respiration and Metabolism. Abs. Jour.: Ref. Zhur.-Biologiya No. 11, 1958. No. 48503 Author Institute : Title Orig. Pub.: Abstract : paper chromatography showed that the malonate content in the stiplated arrouts does not change after irradiation. The authors hypothesize that light activates the cytochromoxydase-succinoxydase reaction in respiration (which is inhibited by malonate). This study was made at Budapest Inst. of Plant Protection. The bibliography list 20 titles. -- A.G. Vereshchagin 1,/4 Card:

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000412420020-6

DEZSI, L.; FARKAS, G.L.

Effect of kinetin on enzymes of glycolic acid metabolism in cereal leaves. Acta biol. acad. sci. Hung. 14 no.4:325-332 '64.

1. Plant physiology laboratory, Hungarian Academy of Sciences, Alacg.d. (Head: G.L. Farkas).

KRASZNAI, Istvan; FARKAS, Gyorgy; GYERTYANFFY, Geza

Geometrically independent large-volume scintillation counter. Energia es atom 18 no.2/3:114-116 F-Mr 165.

1. No.1 and No.3 Clinics of Internal Diseases, Budapest.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000412420020-6"

FARKAS, H.

On the fauna of the springs of Hungary. I. Mts. Dunazug. In English. p.377. (Magyar Nemzeti Muzeum Termezettudomanyi Muzeum Evkonyve, Vol. 7, 1956, Eudapest, Hungary)

SO: Monthly List of East European Accessions (EEAL) IC. Vol. (, no. 9, Sept. 1957. Uncl.

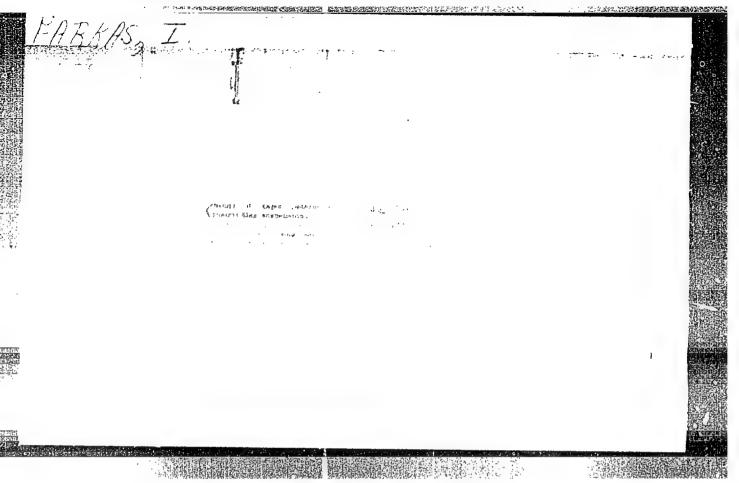
FARKAS, H.

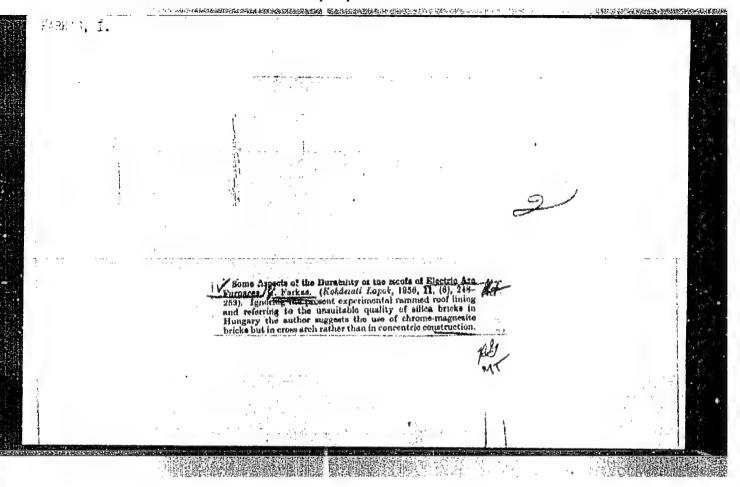
On some fresh-water Ostracoda from South America. In German. p. 307

Orseagos Magyar Termessettudomenyi Muzeum. MAGYAR NEMSETO MUZEUM TERMESZET-TUDOMANYI MUZEUM EV KONYVE. ANNALES HISTORICO-NATURALES MUSEI NATIONALIS HUNGARICI. Budapest, Hungary. Vol. 9, 1958

UNCL.

Monthly List of East European Accession (EEAI) LC, Vol. 9, no. 2, Feb. 1960





1717年159年的新疆域中国共和国

FARKAS, I.; GERENCSER, A.

Research results and measuring methods in testing milking machines. p.294

JARMUVLK MEZCGAZDAJAGI GEPEK. (Gepipari Tudomanyos Egyesulet) Budapest, Hungary Vol. 6, no.10, (Cet.) 1959

Monthly List of East European Accessions (EEAI) LC., Vol. 8, no.12, Dec. 1959 Uncl.

HORNAYI, J., dr.; STEFANICS, J., dr.; FARKAS, I., dr.

Umbilical endometriosis. Magy. onkol. 7 no.1:48-51 Mr '63.

1. Budapesti Orvostudomanyi Egyetem, II. Sebeszeti Klinika. (ENDIMETRIOSIS) (UMBILICUS) (ADENOCARCINOMA)

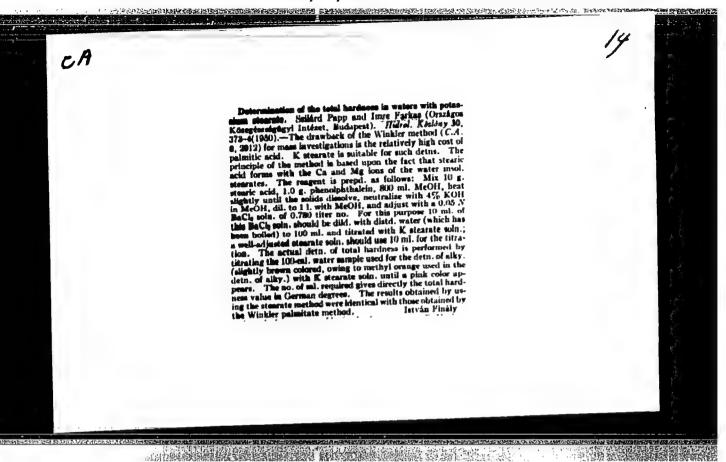
FARKAS, I. 1948

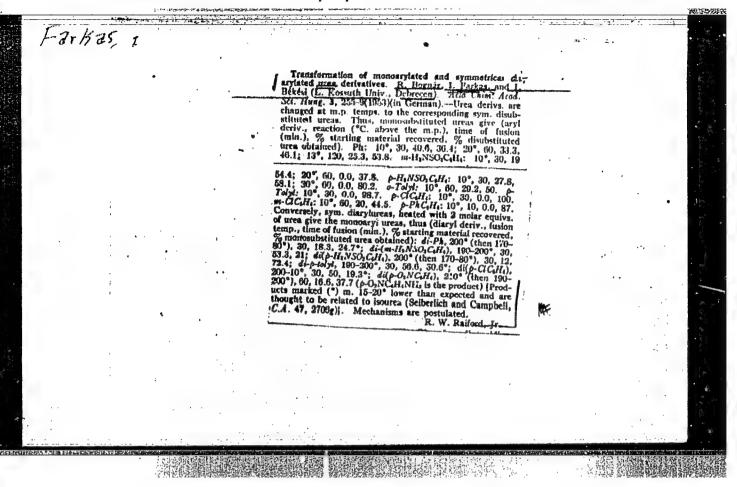
(Med. Clin. U. of Pecs)

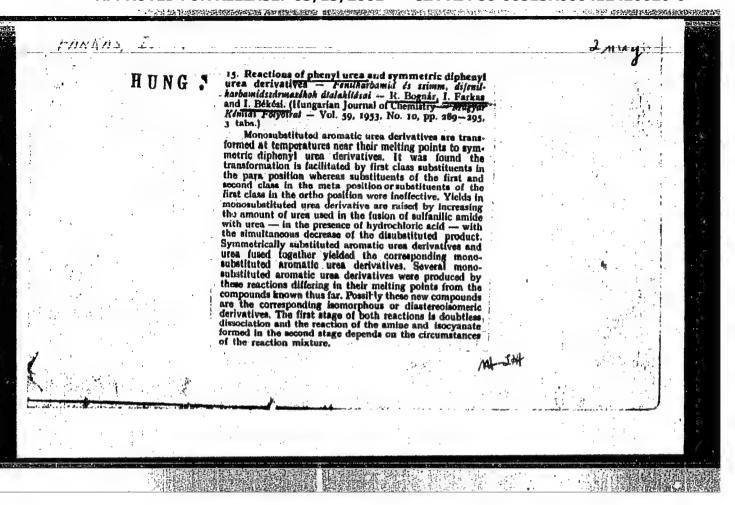
"Methylthiourscil and Aminothiazole in thr Treatment of Hyperthroidism."

一字中的一段中国的编码是任何间隔接的原则的网络特别是一种原则的现在分词

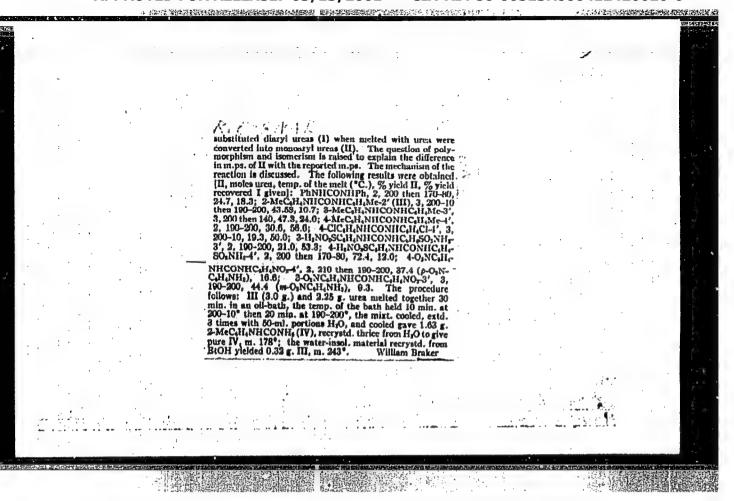
Orvosi Hetilap 1948, 89/7(101-106) Abst: Exc. Med.111, Vol. 111, No. 3. p. 92







Ures derivitives. 1. Propulsion and thermal conversions of monocryl ureas. 2. Executed 1. 15, 1, 160-20, 190, 62.0 (recovered 9), 16.4; V. 16.1, 160-20, 190, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20, 160-20,



KECSKES, L.; MUSCLER, F.; ZAHORCSEK A.; FARKAS I.; THAN, E.

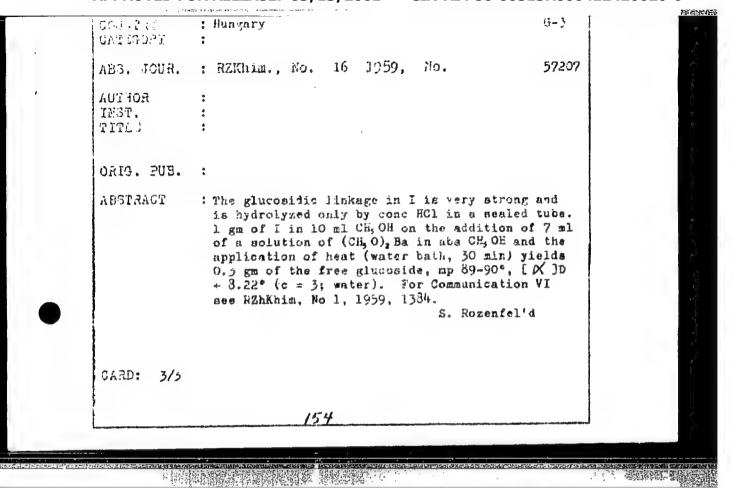
Quantitative fluoremetric determination of urinary estrogens isolated by paper chromatography. Kiserletes orvostud. 10 no.4:402-404 Aug 58.

1. Pecsi Orvostudomanyi Egyetem Szuleszeti es Nogyogyaszati Klinikaja. (ESTROGENS, in urine

quantitative fluorometric determ, of estrogens isolated by paper chromatography (Hun))

a (1977) : Organic Chemistry -- Natural compounds and their CATEGORY synthetic analogs. 1959. ABS. JCUR. : AZKhim., No. 16 57207 ROHTUA : Bognar, R. and Farkas, I. INST. : Not given : N-Glucosides. /II. On the Structure of N-tetra-TITLE acetylglucosylveronal. ORIG. PUB. : Magyar Chem Folyoirat, 64, No 9, 326-329 (1958) : The authore have shown that the N-glucoside (I) ASSTRACT previously prepared from tetraacetylglucosylurea and the acid chloride of diethylmulonic acid (Helferich and [?] Kosche. Ber. 59, 69 (1926)) has the structure of N-(2,3,4,6-tetraacetylglucomyl)-veronal. The UV spectra of pure veronal and of the product obtained from the saponification of I with a 0.2 M solution of NaOH, recorded in Britton-Robinson buffer solution at pH 7.65 and 6.4 and in abs alcohol, are included. The **CARD: 1/3** 153

G-3 COUNTRY : Bungary Organic Chemistry-Natural compounds and their CATEGORY synthetic analogs. ABS. JOUR. ; AZKhim., do. 16 1950. So. 57207 AUTHOR IN 39. TITLE oald. PUB. : ABSTRACT : curves show that the aglucone of I is identical with veronal. The acid hydrolysis of I (heating for 2 hrs at 120° in a sealed tube of 147.5 mg I with 3 ml conc HCl.) likewise yields pure veronal (44%). The sharp contrast between the structure of I and that of the structurally isomeric enol-O-glucoside is proven by the fact that the latter would undergo methanolysis in the cold because of its sensitivity to alkalis, whereas I by contrast is saponified only by hot he methoxide. CARD: 2/3



KECSKES, Lajos; MUTSCHLER, Ferenc; GLOS, Ivan; THAN, Ede; FARKAS, Imre; GEGLEDI, Jczsef; KOBOR, Jozsef

Indirect paper chromatographic methods for determination of estrogens in the urino. Kiserl. orvostud. 13 no.5:468-480 0 '61.

1. Pecsi Orvostudomanyi Egyetem Szuleszeti es Nogyogyaszati Klinikaja. (ESTROGENS urine)

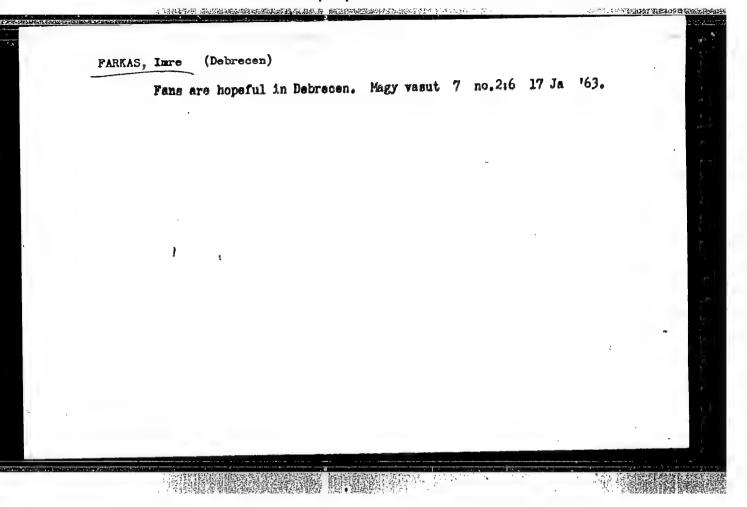
KECSKES, Lajos, dr.; MUTSCHLER, Ferenc, dr.; THAN, Ede, dr.; FARKAS, Imre, dr.

Separation of estrone, 17- \(\beta\)-estradiol and estriol isolated from human ovaries with paper chromatography. Magy. noorv. lap. 26 no.1:

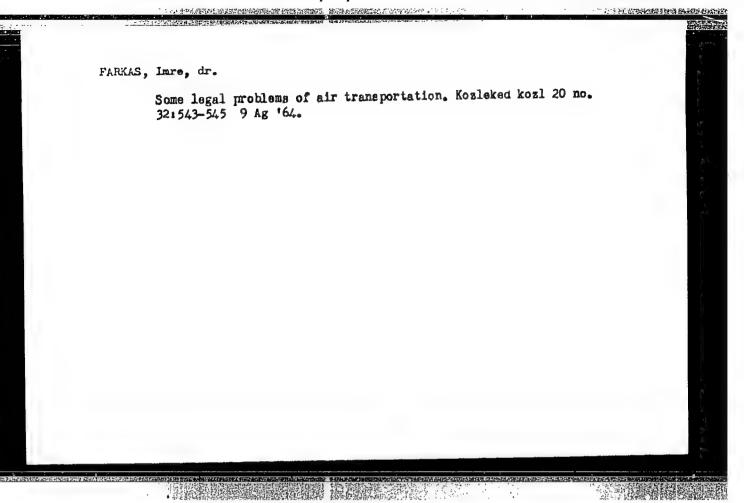
52-57 Ja 163.

1. A Pecsi Orvostudomanyi Egyetem Szuleszeti- es Nogyogyaszati Klinikajanak kozlemenye (Igazgato: Lajos Laszlo dr. egyetemi tanar). (ESTRIOL) (ESTRADIOL) (ESTRONE) (OVARY) (CHROMATOGRAPHY) (PREGNANCY, ECTOPIC) (STEIN-LEVENTHAL SYNDROME) (MENSTRUATION DISORDERS)

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000412420020-6



"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000412420020-6

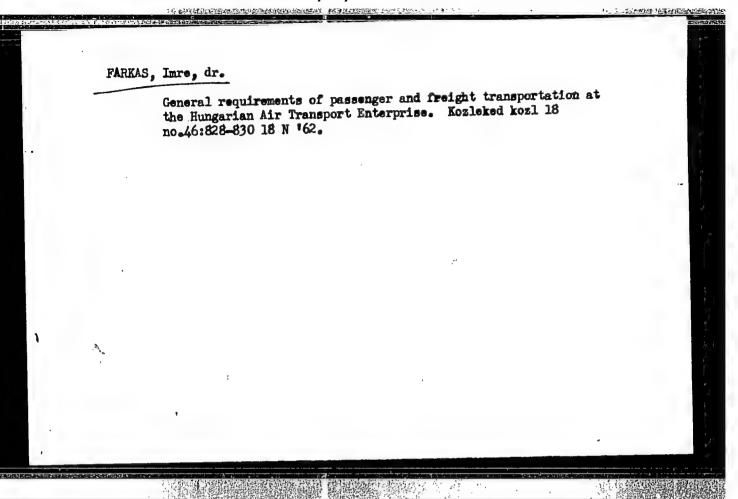


FARKAS, Imre, dr.

International federation of air transport enterprises. Kozleked kozl 17 no.52:901-903 D 161.

(Aeronautics, Commercial)

~ 1.5 15 PHOTO PARTY AND PROPERTY AND AND PROPERTY AND AND PROPERTY AND AND PROPERTY AND ADDRESS AND



FASSA, ISTVAN

HUNGARY/Theoretical Physics - Quantum Electrodynamics.

В

Abs Jour

: Ref Zhur - Fizika, No 3, 1959, 17051

Author

: Nagy, Karoly; Farkas, Istvan

Inst

: .

Title

: Electron-Electron Scattering in the Case of Longitudi-

nally-Polarized Electrons

Orig Pub

: Magyar fiz. folypirat, 1958, 6, No 4, 353-367

Abstract

: In the first non-vanishing approximation of the ordinary perturbation method, the authors calculate electronelectron scattering in the case of longitudinally-polarized electrons. In the center-of-mass system the cross section is calculated for the case of parallel and antiparallel spins. The possibility of experimental verification are considered. The results of the work coincide with the work previously obtained by Bincer (referat Zhur Fizika, 1958, No 5, 9941). -- V.I. Lend yel

Card 1/1

21(4)(9)

H/016/60/03/005/012 D0023/D3001

AUTHORS:

Farkas, István and Farkas, Mária, née Jahnke

TITLE:

The Use of Atomic Energy in the Near Future

PERIODICAL: Fizikai Szemle, 1960, Nr 3, pp 79 - 81

ABSTRACT:

The article, based on the material of the Geneva Conference, briefly reviews the present position of nuclear power plants and the expected developments in the near future. V.S. Yemelyanov reported on the atomic energy program of the USSR. The majority of nuclear power plants under design or construction, will use water as moderator and cooling agent. A 400-Mw experimental reactor, in which the generated steam will be led straight into the turbines, will be built in the Ural. A 35-Mw reactor, using a solution or suspension of uranium in heavy water, will be built in the Volga area. A 50-Mw reactor, cooled by liquid sodium, will also be constructed. Fast reactors have also been in operation in the USSR for

Card 1/3

THE REPORT OF THE PROPERTY OF

H/016/60/03/005/012 D0023/D3001

The Use of Atomic Energy in the Near Future

the last four years. The second of these is cooled by mercury, uses plutonium as fuel and has an output of 100 kw. The 5,000-kw fast reactor, which was put into operation in 1958, also uses plutonium and is cooled by sodium. Based on the experience gained with the above reactor, a 50-Mw and a 250-Mw fast reactor will be constructed. Mobile power plants are also being developed, the construction of a 2,000-kw prototype is nearly completed. In the opinion of Soviet scientists, the first thermonuclear reactors will operate with deuterium-tritium, and the later ones with pure deuterium. In Poland, 10% of the electric power output is planned to be supplied by nuclear power plants by 1975. At present, a 2-Mw Soviet reactor is in experimental operation. The second Polish reactor, which will

Card 2/3

H/016/60/03/005/012 D0023/D3001

The Use of Atomic Energy in the Near Future

be gas-cooled and graphite-moderated, will be designed in Poland and will use domestic uranium as fuel. In Rumania, nuclear power plants will supply 10 - 15% of the electric power output by 1975.

ASSOCIATION: Eötvos Loránd Tudományegyetem Elméleti Fizikai Intézete (Loránd Eötvös Academy of Sciences, Theoretical Physics Institute); M.T.A. Műszaki Fizikai Kutató Intézete (Technical Physical Research Institute of the M.T.A.)

Card 3/3

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000412420020-6

H/016/60/000/012/001/001 B009/B057

で、、 かい。 生物の経過性を発展を発力を発性を

AUTHORS:

Mrs. Farkas, István; Miss Mészáros, Magda

TITLE:

Structure of Real Crystals IV. Examination of Dislocations by X-Ray Diffraction and Electronmicroscopic Methods 18

PERIODICAL:

Fizikai Szemle, 1960, Vol. 10, No. 12, pp. 365-375

TEXT: On the basis of Flügge's textbook (Berlin, 1957) and papers of the authors of the different methods of demonstrating crystal dislocations, the different x-ray diffraction and electronmicroscopic methods are explained and patterns obtained by the researchers are presented.

Structures developed by the rearrangement of dislocations (mosaic pattern) are examined with the Laue camera or, if higher resolving power is required, with the Guinier and Tennevin or the Lambot camera. The principle of the Laue pattern is explained by the Bragg equation. For the determination of the dislocation density on the mosaic borders, a formula of J. M. Burgers and the microray technique of Hirsch and coworkers improved by Gay and Kelly is recommended. These methods are suited for the examination of high dislocation densities, for low surface densities the diffraction camera Card 1/3

中心性學是那個的情報。**但在中央科技的自由的的特殊的理解的**

Structure of Real Crystals IV. Examination of #/016/60/000/012/001/001 Dislocations by X-Ray Diffraction and B009/B057 Electronmicroscopic Methods

of Berg and Barrett, for imperfections in the interior of crystals the camera of A. R. Lang is used. The last named has been developed for the rapid examination of larger crystal regions. The electronmicroscopic methods are also based on the Bragg equation. Sufficiently thin films are necessary for transillumination. The diffraction contrast technique, first applied by Hirsch and coworkers and developed by G. A. Basset, J. W. Menter, D. W. Pashley and H. G. F. Wilsdorf, is extensively being used for the examination of different kinds of dislocations in thin metal films and of the development and displacement of dislocations. The periodic structure of crystals may be directly demonstrated by the lattice resolution methods in which - contrary to the diffraction contrast method - rays reflected from the atomic planes also take part in forming the picture. In the direct resolution pattern the atomic plane itself is reproduced. Atomic planes of very small interplanar spacing can be resolved indirectly over moiré diagrams first investigated by W.C.T.Dowell and coworkers. These are also suited for the recording of displacements produced by electronic bombardment. With regard to the lattice resolution method, the authors refer to Proceedings of the International Conferences

Card 2/3

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000412420020-6

Structure of Real Crystals IV. Examination of #1/016/60/000/012/001/001 Dislocations by X-Ray Diffraction and B009/B057 Electronmicroscopic Methods

· 1人的ACATE 的ACATE SACTOR ACATE ACAT

on Electronmicroscopy of London (1954), of Berlin (1959) and of the Regional Conference of Tokyo (1956). No research conducted at the Research Institute of Applied Physics is mentioned in the paper. There are 27 figures and 31 non-Soviet references.

ASSOCIATION: Müszaki Fizikai Kutató Intézet (Research Institute of Applied Physics)

Card 3/3

AIMASI, M.; SZABO, L.; FARKAS, I.; BOTA, T.

Reactions of metallic carbonyls. Note II. On the kinetics of the reactions of dicobalt-octocarbonyl with some derivatives of acetylene. Studii cerc chim 8 no.3:495-508 160. (EEAI 10:9)

1. Iaboratorul de chimie organica al Universitatii "Babes Bolyai", Cluj.

(Carbonyl compounds) (Metals) (Cobalt carbonyls)
(Acetylene)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000412420020-6"

VASH, K.[Vas, K.]; FARKASH, I.[Farkas, I.]

Some immediate influences of ionizing radiations on the yeast cell. Mikrobiologiia 30 no.3:436-440 My-Je '61. (MIRA 15:7)

1. TSentral'nyy nauchno-issledovatel'skiy institut pishchevoy promyshlennosti, Budapesht, Vengriya.

(YEAST) (RADIATION—PHYSIOLOGICAL EFFECT)

FARKAS, Istvan

Immediate perspectives of utilizing atomic energy. Fis szemle 10 no.3:79-81 Mr '60.

1. Ectvos Lorand Tudomanyegyetem Elmeleti Fizikai Intezete, Budapest (for Istvan Farkas). 2. Magyar Tudomanyos Akademia Muszaki Fizikai Kutato Intezete (for Farkasne Vahnke).

BOGNAR, Rezso, prof., dr. (Debrecen, Kozponti Egyetem, Magyarorszag); FARKAS, Istvan (Debrecen, Kozponti Egyetem, Magyarorszag)

Flavonoids. XII. Acta chimica Hung 35 no.2:223-224 163.

- 1. Institute of Organic Chemistry, L. Kossuth University, Debrecen.
 2. Editorial Board member, *Acta Chimica Academiae Scientiarum Hungaricae* (for Bognar).

CIA-RDP86-00513R000412420020-6" APPROVED FOR RELEASE: 03/13/2001

BOGNAR, Rezso; FARKAS, Istvan; F. SZABO, Ilona; D. SZABO, Gizella

Synthesis of saccharic acid derivatives and their reactions.

Magy kem folyoir 69 no.10:450-453 0'63.

1. Kossuth Lajos Tudomanyegyetem Szerves-Kemiai Tanszeke,
Debrecen.

2."Magyar Kemiai Folyoirat" szerkeszto bizottsagi tagja
for Bognar).

KOSH, Endol'f [Kos, R.], doktor; PARKASH, Ishtwan [Farkas, I.], doktor

Rupture of the flaxor tendons of the fingers. Vest.khir. 85
no.10s128-130 0 '60. (MIRA 13s12)

1. Is 2-y khirurgieheskoy kliniki (sav. - doktor Yanosh Shtefanits)
Budapeshtekogo meditainskogo instituta.

(TIRGES BUUSDS AND INJURIES)

MEGYESI, Z.; KOS, R.; PARKAS, I.

Replacement of an ossified Achilles tendon by a corium graft. Acta chir. plast. 3 no.2:148-153 161.

1. Second Surgical Clinic, Budapest (Hungary) Director: Jan Stofanies, M.D.

(HEEL SUFFORM) (SKIN TRANSPLANTATION)

(1) 自己认为中国的中国的中国的特殊的基础的基础的基础的基础。新闻是的基础的中国中国外内的中央人员的工作。

NEMETH, Gyula, dr.; JAKAB, Tivadar, dr.; FARKAS, Istvan, dr.

Postoperative hemorrhage in pulmonary resection. Magy. sebeszet 14 no.2:82-85 Ap '61.

1. A Bp. Orvostudomanyi Egyetem II. sz. Sebeszeti Klinikajanak kozlemenye Megbizott vezeto: Stefanics Janos dr. egyetemi docens.

(PNEUMONECTOMY compl)

HORANYI, Janos, dr.; STEFANICS, Janos, dr.; FARKAS, Istvan, dr.

Giant-cell pseudocyst of the breast. Magy. sebeszet 14 no.4:244-248 Ag '61.

1. A Budapesti Orvostulomanyi Egyetem II. sz. Sebeszeti Klinikajanak kozlemenye.

(BREAST NEOPLASMS case reports)

BOGNAR, Rezso; FARKAS, Istvan; RAKOSI, Miklos

Flavonoids, V. Conversions of glycosyl chalcone and glycosyl flavanone. Magy kem folyoir 67 no.6:253-257 Je '61.

1. Kossuth Lajos Tudomanyegyetem Szerves-Kemiai Tanszeke, Debrecen 2. "Magyar Kemiai Folyoirat" szerkeszto bizottsagi tagja (for Bognar).

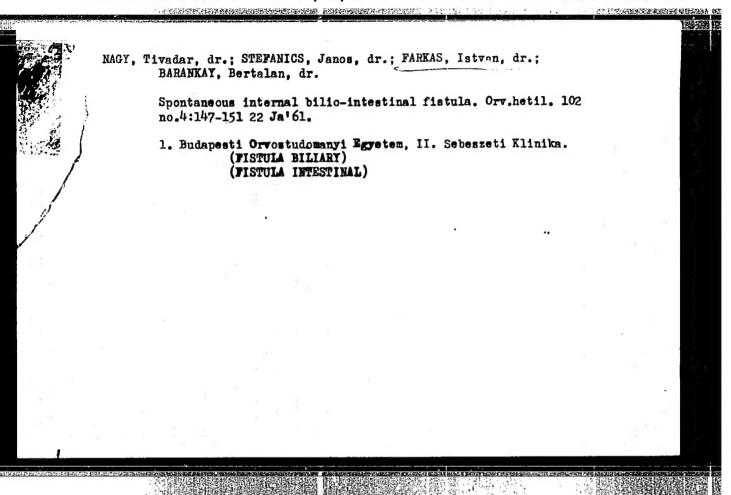
NAGY, Ferenc; PARKAS, Istvan; STEFANICS, Janos; ERDELYI, Mihaly

THE WASHINGTON TO THE PROPERTY OF THE PROPERTY

Torus supraorbitalis. Szemeszet 98 no.1:29-31 Mr '61.

1. A Bp. Orvostudomanyi Egyetem II ss. Szemeszeti Klinikajanak (Igazgato: Nonay Tibor eghetemi tanar, az orvostudomanyok kandidatusa) es a II sz. Sebeszeti Klinikajanak (Megbizott vezeto: Stefanics Janos egyetemi docens) kozlemenye.

(FRONTAL BONE abnorm)



STEFANICS, Janos, dr.; NYULI, Laszlo, dr.; FARKAS, Istvan, dr.; GORGO, Pal, dr. Mondor's disease. Orv. hetil. 102 no.14:628-631 2 Ap *61.

1. Budapesti Orvostudomanyi Egyetem, II es III sz. Sebeszeti Klinika es Sebeszeti Anatomiai es Mutettani Intezet.

(THROMBOPHLEBITIS)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000412420020-6"

FARKESH, Ishtvan [Farkas, I.], d-r; YAKAB, Tivadar [Jakab, T.], d-r; NEMET, D'yola, d-r

Evaluation of various anesthetic methods. Khirurgiia 37 no.4: (MIRA 14:4)

1. Iz 2-y khirurgicheskoy kliniki (zav. - d-r Yanosh Shtefanich] Budapeshtskogo meditsinskogo universiteta. (ANESTHESIOLOGY)

PARKAS, Istvan; GELENCSER, Ferenc; IHASZ, Mihaly

Acidity of the duodenum and intestino-vascular reflexes. Kiserl. orwestud. 14 no.2:200-204 Ap '62.

1. Budapesti Orwostudomanyi Egyetem II sz. Sebeszeti Klinikaja es Sebeszeti Mutettani Intesete.

(DUODENUM physiol) (REFLEK)
(INTESTINE SMALL physiol)
(CARDIOVASCULAR SISTEM physiol)